

Serial No. 09/274,940

- 2 -

Art Unit: 2666

## CLAIMS

22. (Currently amended) A program product comprising a computer readable medium having embodied therein a computer program for translating addresses in a communication network having multiple overlapping address domains, the computer program comprising:

receiving logic programmed to receive ~~an overlapping local address from an inbound address domain, wherein the receiving logic is programmed to receive a packet from a source host in a source (inbound) address domain that is destined for a destination host in a destination (outbound) address domain and includes~~ the packet including a source address equal to an overlapping source host local address from the source (inbound) address domain and a destination address equal to a unique destination host global address; and

translating logic programmed to translate the overlapping source host local address from the source (inbound) address domain into a unique source host global address that is specific to a specified outbound address domain.

39. (Currently amended) An apparatus for translating addresses in a communication network having multiple overlapping address domains, the apparatus comprising:

receiving logic operably coupled ~~to receive an overlapping local address from an outbound address domain, wherein the receiving logic is operably coupled~~ to receive a packet from a source host in a source (inbound) address domain that is destined for a destination host in a destination (outbound) address domain and includes a source address equal to an overlapping source host local address from the source (inbound) address domain and a destination address equal to a unique destination host global address; and

translating logic operably coupled to translate the overlapping source host local address from the inbound address domain into a unique global address that is specific to a specified outbound address domain.

56. (original) In a communication system including a source host in a source (inbound) address domain communicating with a destination host in a destination (outbound) address domain by way of a network address translator, a method comprising the steps of:

Serial No. 09/274,940

- 3 -

Art Unit: 2666

transmitting, by the source host in the source (inbound) address domain, a packet including a source address equal to a source host local address in the source (inbound) address domain and a destination address equal to a destination host global address;

receiving the packet by the network address translator;

translating, by the network address translator, at least the source address from the source host local address to a unique source host global address that is specific to the destination (outbound) address domain; and

forwarding the translated packet by the network address translator to the destination host in the destination (outbound) address domain.

---

60. (Currently amended) A communication system comprising:

a source host in a source (inbound) address domain;

a destination host in a destination (outbound) address domain; and

B3 a network address translator in communication with the source host and the destination host, wherein:

the source host is operably coupled to transmit to the network address translator a packet including a source address equal to a source host local address in the source (inbound) address domain, wherein the packet further includes a destination address equal to a unique destination host global address that is specific to the source (inbound) address domain and wherein the network address translator is further operably coupled to translate the destination address of the packet from the unique destination host global address to a destination host local address in the destination (outbound) address domain; and

the network address translator is operably coupled to translate at least the source address of the packet from the source host local address to a unique source host global address that is specific to the destination (outbound) address domain, and is further operably coupled to forward the translated packet to the destination host in the destination (outbound) address domain.